



**GHENT
UNIVERSITY**

HOW CAN PUBLICATION METRICS BE TAKEN INTO ACCOUNT WHEN CHOOSING A JOURNAL

Damien Decorte, 2022-11-10

WHY DO WE PUBLISH?

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4 core functions of scholarly publishing:

1. Registration

proving who was the first to make a certain scientific discovery or claim

2. Certification

establishing validity (often through a formal peer review process)

3. Dissemination

making the findings accessible

4. Preservation

ensuring that findings are accessible for the long term

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WHY DOES THE JOURNAL MATTER?

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- Reputation, visibility
- Quality label
- Expression of ambition
- Funding

OUR SCOPE TODAY: A1 PUBLICATIONS

Definition of “A1 article” (according to BOF regulation):

- **Article (or proceedings paper,...)**
- **Web of Science indices :**
 - **'Science Citation Index' (SCIE) -> A1**
 - **'Social Science Citation Index' (SSCI) -> A1**
 - **'Arts and Humanities Citation Index' (AHCI) -> A1**
 - **'Emerging Sources Citation Index' (ESCI) -> NOT A1**

[\(Biblio: classification | \(re\)search tips \(ugent.be\)\)](#)

JOURNAL METRICS

- **Impact Metrics**

Metrics focused on the citation impact of the journals

- Total Citations
- **Journal Impact Factor (JIF)**
- Journal Impact Factor Without Self Cites
- JIF **ranking** (Q1, Q2,... / percentiles)

- **Normalized Metrics**

Metrics that have been adjusted mathematically to a particular context

- **Article Influence Score (AIS)**
- AIS **ranking** (Q1, Q2,... / percentiles)
- (Normalized) Eigenfactor
- ...

JOURNAL METRICS ARE UNDER DEBATE

- Impact factors can be **manipulated** (self citation)
- Impact factors **vary with research area**
- The quality and impact of **articles** within the same journal **can differ greatly**
- What is important, is **the content of the article**, not the status of the journal.
- The indicator is less important than the **goal** itself: **high-quality research**.
- Restraint should be practiced in the use of journal metrics in **individual evaluations**

<https://www.ugent.be/en/research/research-strategy/evaluation/indicators.htm>

TWO TOPICS IN THIS PRESENTATION

1. FEB quality measure for publications, based on AIS
2. JIF

1.FEB QUALITY MEASURE FOR PUBLICATIONS

- **Established in 2017** by the Scientific Research Committee (CWO) and the Faculty Council
- Based on the average **Article Influence Score (AIS)** of the last five years for each journal within its WOS-category (categories).
- **Points** are assigned to WOS-journals, ranging from **1 to 20**.

– Research information for staff

<https://www.ugent.be/eb/en/information-for-staff/research.htm>

Research Performance

→ [PhDs \(NL\)](#)

→ [Publications](#)

Research Performance: Publications

Each year, the Faculty of Economics and Business Administration calculates a rating of the research output of its research groups based on documented calculation principles.

→ [Summary of these calculation principles](#)

For the financing of the university (BOF-key) and for the measurement of the publication output at the faculty-level, a correct registration of all scholarly publications in the academic bibliography [Biblio](#) is important.

→ [Some important considerations when registering publications in Biblio](#)

For the measurement of the AI/ WOS publications at the faculty level, points are assigned to WOS-journals. These points are based on the average Article Influence Score of the last five years for each journal in its relevant WOS-category, and on the ranking each journal takes based on that average within its respective category.

→ Consult a list of the relevant journals and their points:

→ [sorted alphabetically by journal name](#)

→ [sorted alphabetically by Web of Science Category](#)

– List of A1 journals - ordered by name

2022_2.2_Publicatiepunten_PerJournal_WOS_v002.xlsx

Publication-points assigned to WOS- and Accounting-journals. For publications published in 2021, 2020, 2019, 2018, 2017, 2016 and earlier
Journals sorted by journal title

ISSN	eISSN	Full Journal Title	Pub2016andEar	Pub2017	Pub2018	Pub2019	Pub2020	Pub2021
2329-7662	2329-7670	3D PRINTING AND ADDITIVE MANUFACTURING		12	12	12	12	12
1619-4500	1614-2411	4OR-A QUARTERLY JOURNAL OF OPERATIONS RESEARCH	4	4	4	5	5	5
1550-7416	1550-7416	AAPS JOURNAL	20	12	12	12	12	7
1530-9932	1530-9932	AAPS PHARMSCITECH	2	3	3	2	2	1
1532-8813	1532-8813	AATCC REVIEW			1	1	1	1
2166-4072	2164-9731	AB IMPERIO-STUDIES OF NEW IMPERIAL HISTORY AND NATIONALISM IN						12
0001-3072	1467-6281	ABACUS-A JOURNAL OF ACCOUNTING FINANCE AND BUSINESS STUDIES	2	1	1	1	2	1
0942-8925		ABDOMINAL IMAGING	3	3	4	4	4	3
2366-004X	2366-0058	ABDOMINAL RADIOLOGY		1	1	3	3	3
1012-8255	2056-5127	ACADEMIA-REVISTA LATINOAMERICANA DE ADMINISTRACION	1	1	1	1	1	1
1069-6563	1553-2712	ACADEMIC EMERGENCY MEDICINE	12	12	12	12	20	20
1040-2446	1938-808X	ACADEMIC MEDICINE	12	12	12	20	20	20
1042-9670	1545-7230	ACADEMIC PSYCHIATRY	3	3	3	3	4	4
1076-6332	1878-4046	ACADEMIC RADIOLOGY	5	5	5	5	5	5
1941-6520	1941-6067	ACADEMY OF MANAGEMENT ANNALS	20	20	20	20	20	20
0001-4273	1948-0989	ACADEMY OF MANAGEMENT JOURNAL	20	20	20	20	20	20
1537-260X	1944-9585	ACADEMY OF MANAGEMENT LEARNING & EDUCATION	20	20	12	12	12	12
1558-9080	1943-4529	ACADEMY OF MANAGEMENT PERSPECTIVES	12	20	20	20	20	20
0363-7425	1930-3807	ACADEMY OF MANAGEMENT REVIEW	20	20	20	20	20	20
0044-5851	1712-7432	ACADIENSIS						1
0001-4575	1879-2057	ACCIDENT ANALYSIS AND PREVENTION	12	12	12	12	12	12

List of A1 journals - ordered by name - sorted by category

0909-6396	1903-220X	Ecology	WILDLIFE BIOLOGY	2	2	2	2	2	2
0084-0173	1938-5455	Ecology	WILDLIFE MONOGRAPHS	12	12	12	20	12	12
1035-3712	1448-5494	Ecology	WILDLIFE RESEARCH	2	2	2	2	2	2
0001-6373	1588-2659	Economics	ACTA OECONOMICA	1	1	1	1	1	1
0742-4477	1520-6297	Economics	AGRIBUSINESS	3	3	3	3	3	3
0169-5150	1574-0862	Economics	AGRICULTURAL ECONOMICS	4	4	4	5	5	7
0139-570X	1805-9295	Economics	AGRICULTURAL ECONOMICS-ZEMEDLSKA EKONOMIKA	1	1	1	1	1	1
1945-7782	1945-7790	Economics	AMERICAN ECONOMIC JOURNAL-APPLIED ECONOMICS	20	20	20	20	20	20
1945-7731	1945-774X	Economics	AMERICAN ECONOMIC JOURNAL-ECONOMIC POLICY	20	20	20	20	20	20
1945-7707	1945-7715	Economics	AMERICAN ECONOMIC JOURNAL-MACROECONOMICS	20	20	20	20	20	20
1945-7669	1945-7685	Economics	AMERICAN ECONOMIC JOURNAL-MICROECONOMICS	20	20	20	20	20	20
0002-8282	1944-7981	Economics	AMERICAN ECONOMIC REVIEW	20	20	20	20	20	20
0002-9092	1467-8276	Economics	AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS	5	5	5	5	7	12
0002-9246	1536-7150	Economics	AMERICAN JOURNAL OF ECONOMICS AND SOCIOLOGY	1	1	1	1	1	1
2332-3493	2332-3507	Economics	AMERICAN JOURNAL OF HEALTH ECONOMICS		12	12	12	12	12
1465-7252	1465-7260	Economics	AMERICAN LAW AND ECONOMICS REVIEW	12	20	20	12	12	12
1582-9146	2247-9104	Economics	AMFITEATRU ECONOMIC	1	1	1	1	1	1
1529-7373	1529-7373	Economics	ANNALS OF ECONOMICS AND FINANCE	1	1	1	1	1	1
1370-4788	1467-8292	Economics	ANNALS OF PUBLIC AND COOPERATIVE ECONOMICS					3	2
0570-1864	1432-0592	Economics	ANNALS OF REGIONAL SCIENCE	4	3	2	2	2	2
1941-1383	1941-1391	Economics	ANNUAL REVIEW OF ECONOMICS	20	20	20	20	20	20
1941-1367	1941-1375	Economics	ANNUAL REVIEW OF FINANCIAL ECONOMICS	12	12	20	20	20	20
1941-1340	1941-1359	Economics	ANNUAL REVIEW OF RESOURCE ECONOMICS	7	7	12	20	20	20
2632-7627	2632-7627	Economics	APPLIED ECONOMIC ANALYSIS						1
2040-5790	2040-5804	Economics	APPLIED ECONOMIC PERSPECTIVES AND POLICY	5	5	5	5	5	12
0003-6846	1466-4283	Economics	APPLIED ECONOMICS	2	1	1	1	1	1
1350-4851	1466-4291	Economics	APPLIED ECONOMICS LETTERS	1	1	1	1	1	1
1175-5652	1179-1896	Economics	APPLIED HEALTH ECONOMICS AND HEALTH POLICY			5	7	7	5
1233-5835	1233-5835	Economics	ARGUMENTA OECONOMICA	1	1	1	1	1	1
1351-3958	1467-8381	Economics	ASIAN ECONOMIC JOURNAL	1	1	1	1	1	1
1535-3516	1536-0083	Economics	ASIAN ECONOMIC PAPERS	1	1	1	1	1	1
1832-8105	1748-3131	Economics	ASIAN ECONOMIC POLICY REVIEW	3	2	2	2	2	2
1976-1597	2158-6721	Economics	ASIAN JOURNAL OF TECHNOLOGY INNOVATION	1	1	1	1	1	1
0818-9935	1467-8411	Economics	ASIAN-PACIFIC ECONOMIC LITERATURE	1	1	1	1	1	1
1608-1625	2164-2257	Economics	ASIA-PACIFIC JOURNAL OF ACCOUNTING & ECONOMICS	1	1	1	1	1	1
0515-0361	1783-1350	Economics	ASTIN BULLETIN-THE JOURNAL OF THE INTERNATIONAL ACTUARIAL ASSOCIA	4	4	4	4	4	5
0004-8992	1467-8446	Economics	AUSTRALIAN ECONOMIC HISTORY REVIEW	1	1	4	4	3	2

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2. JOURNAL IMPACT FACTOR (JIF)

- JIF is often used as a **reference in international academia** (especially JIF ranking quartiles Q1, Q2, Q3, Q4)
- JIF is often used as a reference in the **evaluation of academic CV** (funding, recruitment selection,...)

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Journal name	ISSN	eISSN	Category	Total Citations	2021 JIF	JIF Quartile	% of OA Gold	JIF Rank	JIF Without Self Cites	Article Influence Score	JIF Percentile	AIS Quartile	Citable Items
<input type="checkbox"/> NATURE	0028-0836	1476-4687	MULTIDISCIPLINARY SCIENCES - SCIE	1,008,561	69.504	Q1	8.05 %	1/74	68.744	25.583	99.32	Q1	1,017
<input type="checkbox"/> PLoS One	1932-6203	1932-6203	MULTIDISCIPLINARY SCIENCES - SCIE	944,441	3.752	Q2	99.54 %	29/74	3.608	0.974	61.49	Q2	15,430
<input type="checkbox"/> SCIENCE	0036-8075	1095-9203	MULTIDISCIPLINARY SCIENCES - SCIE	883,850	63.832	Q1	0.46 %	2/74	63.235	24.003	97.97	Q1	815
<input type="checkbox"/> PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	0027-8424	1091-6490	MULTIDISCIPLINARY SCIENCES - SCIE	860,474	12.779	Q1	37.05 %	9/74	12.526	4.658	88.51	Q1	3,608
<input type="checkbox"/> Scientific Reports	2045-2322	2045-2322	MULTIDISCIPLINARY SCIENCES - SCIE	696,335	4.997	Q2	99.63 %	19/74	4.784	1.208	75.00	Q2	23,363
<input type="checkbox"/> Journal of the American Chemical Society	0002-7863	1520-5126	CHEMISTRY, MULTIDISCIPLINARY - SCIE	631,578	16.383	Q1	9.52 %	16/179	15.448	3.851	91.34	Q1	2,426
<input type="checkbox"/> Nature Communications	N/A	2041-1723	MULTIDISCIPLINARY SCIENCES - SCIE	604,740	17.694	Q1	99.44 %	6/74	17.245	5.617	92.57	Q1	6,938
<input type="checkbox"/> PHYSICAL REVIEW LETTERS	0031-9007	1079-7114	PHYSICS, MULTIDISCIPLINARY - SCIE	515,735	9.185	Q1	28.06 %	8/86	8.492	3.228	91.28	Q1	2,362

382 journals

Journal name/abbreviation, ISSN/eISSN, category, publisher, country/region

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ECONOMICS

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JCR Year: 2021

Filter

3

Journal name	ISSN	eISSN	Category	Total Citations	2021 JIF	JIF Quartile	2021 JCI	% of OA Gold	JIF Without Self Cites	JIF Rank	Article Influence Score	JIF Percentile	AIS Quartile	Citable Items
<input type="checkbox"/> AMERICAN ECONOMIC REVIEW	0002-8282	1944-7981	ECONOMICS - SSCI	76,487	11.490	Q1	3.90	0.00 %	11.141	4/381	13.786	99.08	Q1	114
<input type="checkbox"/> Energy Policy	0301-4215	1873-6777	ECONOMICS - SSCI	70,489	7.576	Q1	1.64	13.29 %	7.014	20/381	1.411	94.88	Q2	656
<input type="checkbox"/> JOURNAL OF FINANCE	0022-1082	1540-6261	ECONOMICS - SSCI	56,397	7.870	Q1	2.74	6.33 %	7.500	16/381	12.201	95.93	Q1	67
<input type="checkbox"/> JOURNAL OF FINANCIAL ECONOMICS	0304-405X	N/A	ECONOMICS - SSCI	53,781	8.238	Q1	2.83	4.83 %	7.636	12/381	8.350	96.98	Q1	232
<input type="checkbox"/> ECONOMETRICA	0012-9682	1468-0262	ECONOMICS - SSCI	47,762	6.383	Q1	2.26	0.00 %	6.234	33/381	12.055	91.47	Q1	92
<input type="checkbox"/> QUARTERLY JOURNAL OF ECONOMICS	0033-5533	1531-4650	ECONOMICS - SSCI	41,001	19.013	Q1	6.80	15.33 %	18.525	1/381	32.871	99.87	Q1	57
<input type="checkbox"/> ECOLOGICAL ECONOMICS	0921-8009	1873-6106	ECONOMICS - SSCI	36,099	6.536	Q1	1.58	18.31 %	5.927	31/381	1.454	91.99	Q2	348
<input type="checkbox"/> JOURNAL OF POLITICAL ECONOMY	0022-3808	1537-534X	ECONOMICS - SSCI	33,832	9.637	Q1	3.37	3.77 %	9.453	8/381	14.789	98.03	Q1	86

– <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=ANNU%20REV%20ECON&year=2021&fromPage=%2Fjcr%2Fsearch-results>

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JCR YEAR
2021

Annual Review of Economics

ISSN
1941-1383

EISSN
1941-1391

JCR ABBREVIATION
ANNU REV ECON

ISO ABBREVIATION
Annu. Rev. Econ.

Journal information

EDITION
Social Sciences Citation Index (SSCI)

CATEGORY
ECONOMICS - SSCI

LANGUAGES English	REGION USA	1ST ELECTRONIC JCR YEAR 2009
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Publisher information

PUBLISHER ANNUAL REVIEWS	ADDRESS 4139 EL CAMINO WAY, PO BOX 10139, PALO ALTO, CA 94303- 0897	PUBLICATION FREQUENCY 1 issue/year
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